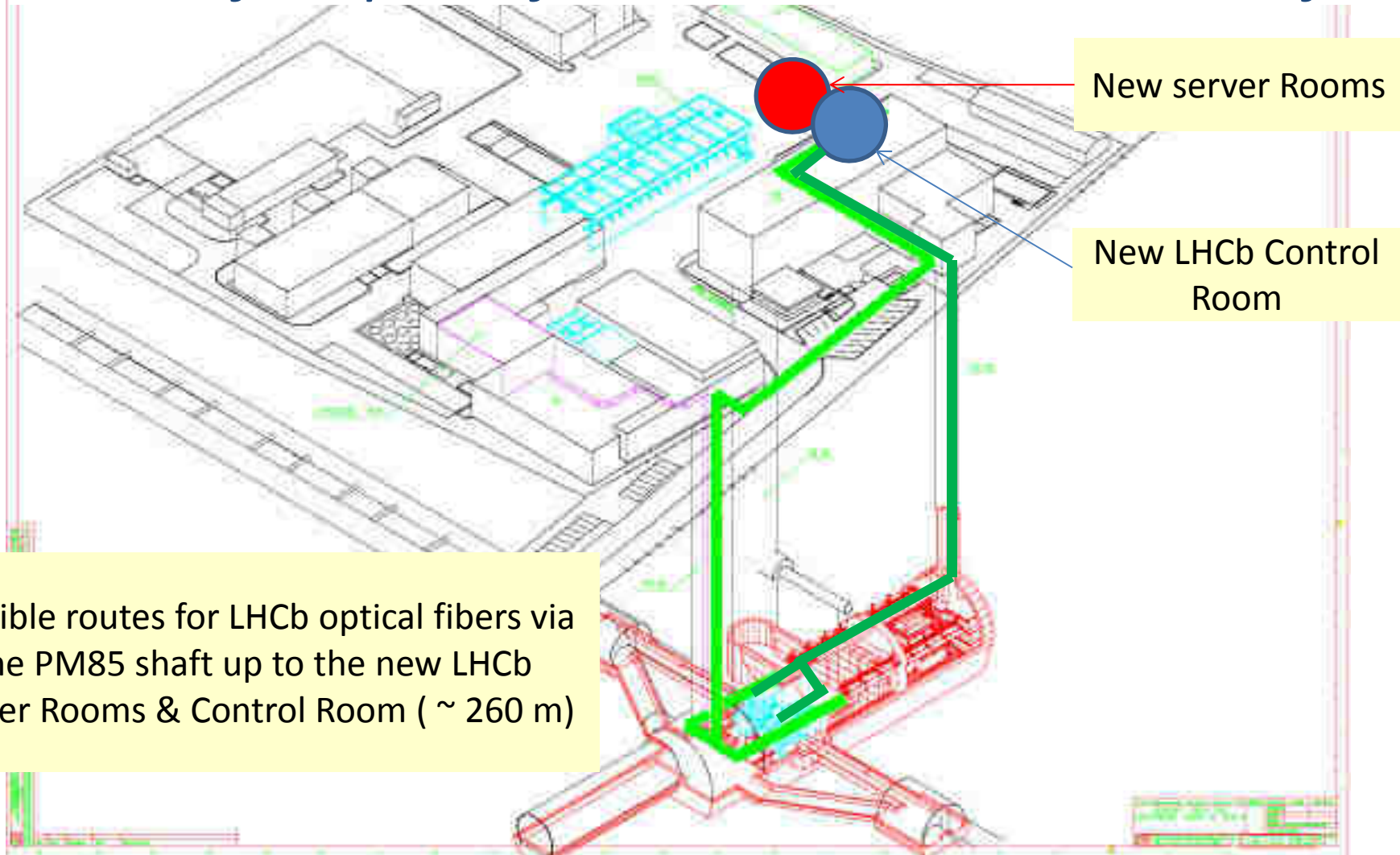


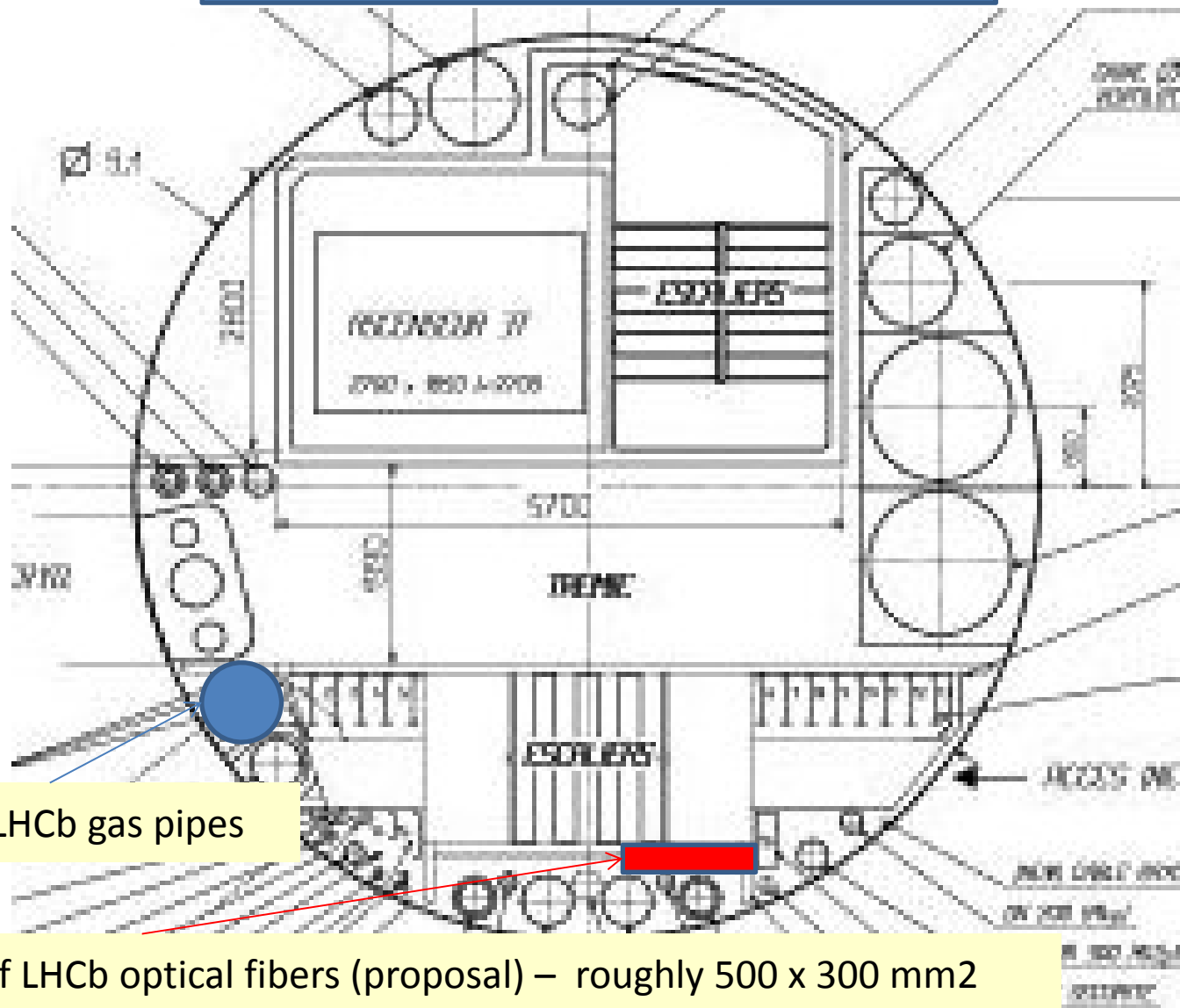
POINT 8 – LHCb Upgrade

Routes for optical fibres via PM85 or PZ85 shafts



Possible routes for LHCb optical fibers via the PM85 shaft up to the new LHCb Server Rooms & Control Room (~ 260 m)

PM85 CROSS-SECTION



Area of LHCb gas pipes

Area of LHCb optical fibers (proposal) – roughly 500 x 300 mm²

CRYO AREA – UX85C

PM85

IN PLACE
VENTILATION DUCT

Routes for optical fibers in UX85B
up to the LHCb detectors

Patch Panels (2-3 racks) – 2 nd floor
UX85C (cryo. area)

AXO. VIEW
STEEL STRUCTURE + CRYO LINES, COLD BOXES AND RACKS